

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10577340
Filing Date		2006-04-28
First Named Inventor	Michael A. Wood	
Art Unit	1621	
Examiner Name		
Attorney Docket Number	KPT 1100	

**U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	3853922		1974-12-10	Yamaguchi et al.	
	2	3957827		1976-05-18	Lyons	
	3	4301077		1981-11-17	Pesa et al.	
	4	4485245		1984-11-27	Hsu et al.	
	5	4810807		1989-03-07	Budge et al.	
	6	4827001		1989-05-02	Attig et al.	
	7	4892955		1990-01-09	Wada et al.	
	8	4931573		1990-06-05	Wada et al.	

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9	4940804		1990-07-10	Böhlendorf et al.	
10	4965378		1990-10-23	Budge et al.	
11	4973713		1990-11-27	Manogue	
12	5021589		1991-06-04	Wada et al.	
13	5037996		1991-08-06	Suzuki et al.	
14	5047561		1991-09-10	Miyazawa et al.	
15	5055599		1991-10-08	Budge	
16	5072009		1991-12-10	Budge et al.	
17	5077442		1991-12-31	Hara et al.	
18	5079372		1992-01-07	Wada et al.	
19	5099038		1992-03-24	Suzuki et al.	

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20	5196602		1993-03-23	Budge et al.	
21	5426246		1995-06-20	Nagahara et al.	
22	5473086		1995-12-05	Budge et al.	
23	5478952		1995-12-26	Schwartz	
24	5502217		1996-03-26	Fuchikami et al.	
25	5580991		1996-12-03	Sugiyama et al.	
26	5698749		1997-12-16	Pedersen et al.	
27	5902916		1999-05-11	Rühl et al.	
28	5936126		1999-08-10	Rühl et al.	
29	5969164		1999-10-19	Budge et al.	
30	5969194		1999-10-19	Hara et al.	

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31	5985789		1999-11-16	Tooley et al.	
32	6008384		1999-12-28	Bockrath et al.	
33	6077964		2000-06-20	Tuck et al.	
34	6100410		2000-08-08	Tuck et al.	
35	6204395	B1	2001-03-20	Tuck et al.	
36	6215030	B1	2001-04-10	Morikawa et al.	
37	6239292	B1	2001-05-29	Tuck et al.	
38	6350924	B1	2002-02-26	Fischer et al.	
39	6433192	B1	2002-08-13	Fischer et al.	
40	6433193	B1	2002-08-13	Bertola et al.	
41	4377715		1983-03-22	Nychka et al.	

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42	4480115		1984-10-30	McGinnis	
43	4940805		1990-07-10	Fischer et al.	
44	6274743	B1	2001-08-14	Tuck et al.	
45	6288245	B1	2001-09-11	Bertola	
46	6620949	B1	2003-09-16	Sutton et al.	
47	6831182	B2	2004-12-14	Borchert et al.	
48	6888011	B2	2005-05-03	Borchert et al.	
49	6706932	B1	2004-03-16	Konishi et al.	

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**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20040029728	A1	2004-02-12	Borchert et al.	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	1286139	CN	A	2001-03-07	Mobile Oil Corporation		<input type="checkbox"/>
	2	1077080	EP	A1	2001-02-21	The Standard Oil Company		<input type="checkbox"/>
	3	02121976	JP	A	1990-05-09	Mitsubishi Kasei Corp		<input type="checkbox"/>
	4	02200648	JP	A	1990-08-08	Mitsubishi Kasei Corp		<input type="checkbox"/>
	5	02200680	JP	A	2007-01-19	Mitsubishi Kasei Corp		<input type="checkbox"/>
	6	02207081	JP	A	1990-08-16	Mitsubishi Kasei Corp		<input type="checkbox"/>
	7	02233674	JP	A	1990-09-17	Mitsubishi Kasei Corp		<input type="checkbox"/>
	8	02235880	JP	A	1990-09-18	Mitsubishi Kasei Corp		<input type="checkbox"/>
	9	03074377	JP	A	1991-03-28	Mitsubishi Kasei Corp		<input type="checkbox"/>

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10	03083974	JP	A	1991-04-09	Mitsubishi Kasei Corp		<input type="checkbox"/>
11	03112973	JP	A	1991-05-14	Mitsubishi Kasei Corp		<input type="checkbox"/>
12	04217636	JP	A	1992-08-07	Mitsubishi Kasei Corp		<input type="checkbox"/>
13	06107654	JP	A	1994-04-19	Tosoh Corp.		<input checked="" type="checkbox"/>
14	06172338	JP	A	1994-06-21	Tosoh Corp.		<input checked="" type="checkbox"/>
15	07033756	JP	A	1995-02-03	Tosoh Corp.		<input checked="" type="checkbox"/>
16	07082260	JP	A	1995-03-28	Tosoh Corp.		<input checked="" type="checkbox"/>
17	9202298	WO	A1	1992-02-20	E.I. Du Pont De Nemours Company		<input type="checkbox"/>
18	0134543	WO	A1	2001-05-17	Asahi Chemical Ind.		<input type="checkbox"/>
19	0247815	WO	A1	2002-06-20	BASF AG		<input type="checkbox"/>
20	0247818	WO	A1	2002-06-20	BASF AG		<input type="checkbox"/>

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21	0248129	WO	A1	2002-06-20	BASF AG	<input type="checkbox"/>
22	03093208	WO	A1	2003-11-13	Davy Process Technology Limited	<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	TS
	1	GREY, Roger A., et al., "Anionic Metal Hydride Catalysts. 2. Application to the Hydrogenation of Ketones, Aldehydes, Carboxylic Acid Esters, and Nitriles", J. Am. Chem. Soc., 1981, p. 7536-7542, Vol. 103, No. 25	<input type="checkbox"/>
	2	HARA, Yoshinori, et al., "Hydrogenation Reaction of Carboxylic Anhydrides Catalyzed by a New and Highly Active Cationic Ruthenium Complex", Chemical Letters, 1991, p. 553-554	<input type="checkbox"/>
	3	INAGAKI, Hiroko, et al., "Hydrogenation Reaction of Carbonyl Compounds Catalyzed by Cationic Ruthenium Complexes", Science and Technology in Catalysis, 1994, p. 327-330	<input type="checkbox"/>
	4	International Search Report, PCT/GB2004/004397, dated January 19, 2005, 2 pages	<input type="checkbox"/>
	5	MATTEOLI, Ugo, et al., "Homogeneous Catalytic Hydrogenation of the Esters of Bicarboxylic Acids Part III. Ethylene Glycol from Dimethyl Oxalate", Journal of Molecular Catalysis, 1988, p. 347-355, Vol. 44	<input type="checkbox"/>
	6	MATTEOLI, Ugo, et al., "Structure and Catalytic Activity of Phosphine-Substituted Ruthenium Carbonyl Carboxylates", Journal of Organometallic Chemistry, 1995, p. 177-186, Vol. 498	<input type="checkbox"/>
	7	TEUNISSEN, Herman T., et al., "Homogeneous Ruthenium Catalyzed Hydrogenation of Esters to Alcohols", Chem. Commun., 1998, p. 1367-1368	<input type="checkbox"/>

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8	TEUNISSEN, Herman T., et al., "Ruthenium Catalysed Hydrogenation of Dimethyl Oxalate to Ethylene Glycol", Chem. Commun., 1997, p. 667-668 and p. 1151	<input type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Michael J. Vander Molen/	Date (YYYY-MM-DD)	2007-07-10
Name/Print	Michael J. Vander Molen	Registration Number	57274

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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